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TI Coating material for lightweight aggregate and coated lightweight aggregate

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SO Jpn. Kokai Tokkyo Koho, 4 pp.

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CC 58-3 (Cement, Concrete, and Related Building Materials)

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CLASS

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AB The coating material comprises cement, pozzolanic fine powder, aggregate with particle diameter ≤ 2 mm, water and water reducer. Thus, lightwt. aggregate with diameter 15 mm was coated with a mixture containing

cement 100, silica fume 32.5, silica sand 120, superplasticizer 1.0 (as solid vs. cement), and water 22 parts and cured at 20° for 48 h and at 90° for 48 h to give coated aggregate having thickness of coating layer 3 mm, water absorption 1%, and crushing strength ≥ 1000 N.

ST lightwt aggregate cement coating water absorption; pozzolan fine powder cement coating aggregate; water reducing agent cement coating aggregate; silica fume sand cement coating aggregate

IT Polyamide fibers, uses

RL: MOA (Modifier or additive use); USES (Uses)